Catch Information from Salmon Seine Charter in Area 6 July 9 - August 2, 1984

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ABSTRACT

Sprout, P.E. 1985. Catch information from salmon seine charter in Area 6, July 9 - August 2, 1984. Can. Data Rep. Fish. Aquat. Sci. 507:20p.

A seiner was chartered to evaluate salmon abundance in Area 6 during the period July 9 to August 2, 1984. Catch information from sets made during this charter is documented.

Key words: salmon abundance, seine catch information, Area 6.

RÉSUMÉ

Sprout, P.E. 1985. Catch information from salmon seine charter in Area 6, July 9 - August 2, 1984. Can. Data Rep. Fish. Aquat. Sci.507:20p.

On a affrété un senneur pour déterminer l'abondance du saumon dans la zone 6 du 9 juillet au 2 août 1984. Les données sur les prises obtenues de traits réalisés au cours de cette expédition sont présentées.

Mots-clés: abondance du saumon, données sur les prises par sennage, zone 6

INTRODUCTION

This report documents the location and catch information from seine sets made in Area 6 to evaluate salmon abudance during the period July 9, 1984 to August 2, 1984.

Each year fishery managers prepare forecasts of the abundance of salmon runs returning to British Columbia streams. The majority of pink and all chum stocks returning to Area 6 (Fig. 1) streams in 1984 were expected to be well below spawning requirements. Consequently, to reduce harvest rates on depressed stocks, fisheries in Area 6 were restricted and normal fishing opening times delayed. However, there is high uncertainty in forecasting stock abundance; return rates vary greatly and the possibility of stocks returning considerably above expectations and potential catches being forgone could not be ruled out. In the absence of the commercial fishery to assess stock strength, a seine vessel was chartered to fish in Area 6 prior to the commercial fishing openings. The purpose of this charter was simply to evaluate in a qualitative way whether returning stocks were weak or very abundant.

METHODS

EQUIPMENT

The Franciscan No. 1, a 25 m steel drum seiner was chartered following standard contractual arrangements (Appendix 1). The vessel fished a salmon seine net approximately 400 m (220 fm) long, 52 m (28 fm) deep with a mesh size of 9 cm (3 5/8") and a 4.5 kg (10 lb) lead line. The breast bunt end was 9 m (5 fm) and the tow end 23 m (12 fm).

The vessel was also equipped with a Morrow Loran C (make LLC-4000) which was used to determine the position of each fishing site.

LOCATION

Fishing commenced on July 9, 1984 and continued until August 2, 1984. Fishing was confined to the portion of Area 6 usually open to commercial fishing; this covers the area from McKay Reach south to Duckers Island in Campania Sound and includes management units 6-5, 6-6, 6-7 and 6-10 (Fig. 2). The actual location of fishing sites within this area was left to the discretion of the vessel skipper and local Fishery Officer. Basically, the same sites fished in a commercial opening were fished during the charter.

PROCEDURE

Fishing was originally planned for a minimum of two days each week but was expanded to three to four days each week once the program began. The vessel fished in a manner similar to the way it would have fished in a

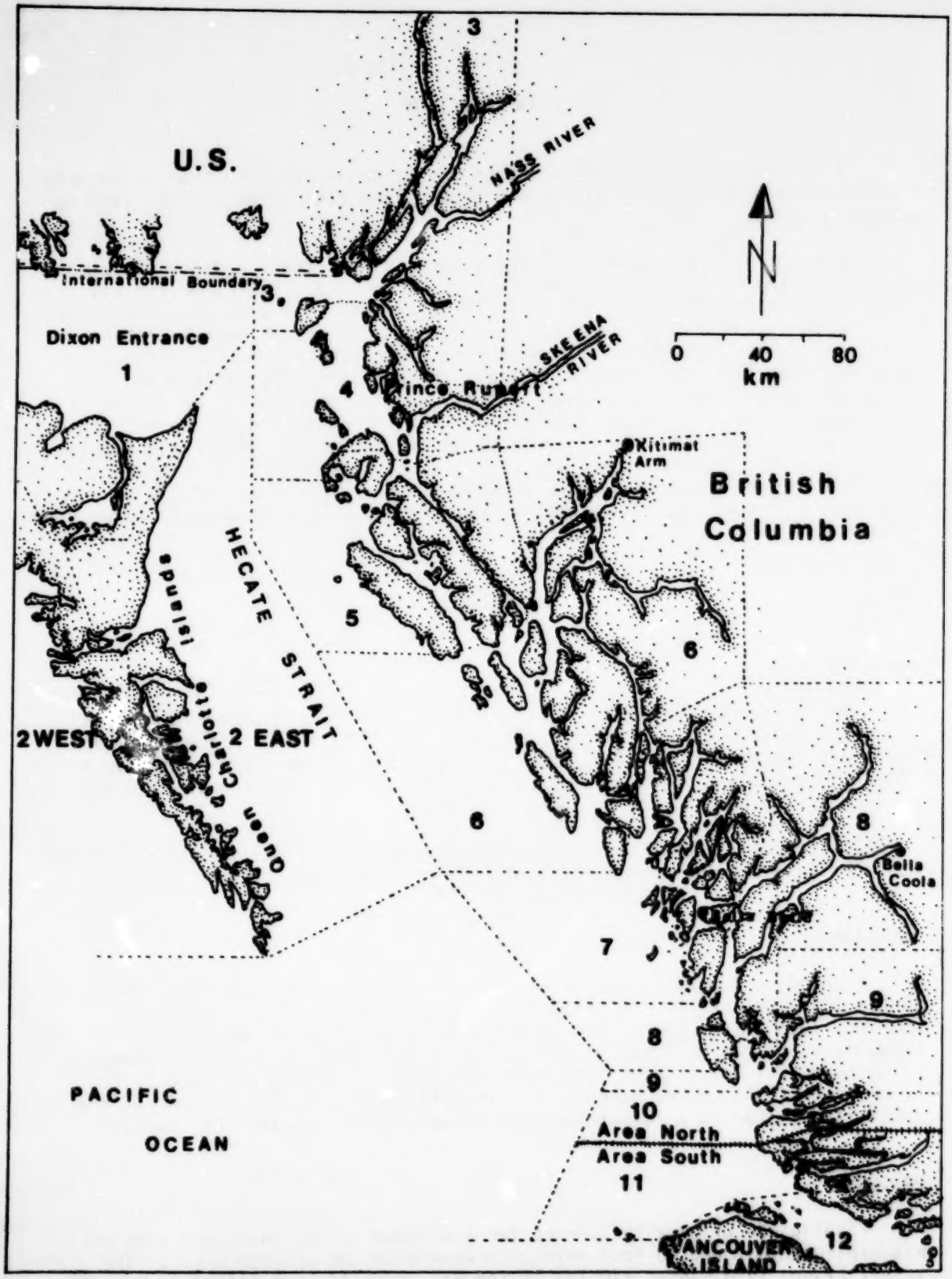

Fig. 1. Location of Statistical Areas in northern B.C.

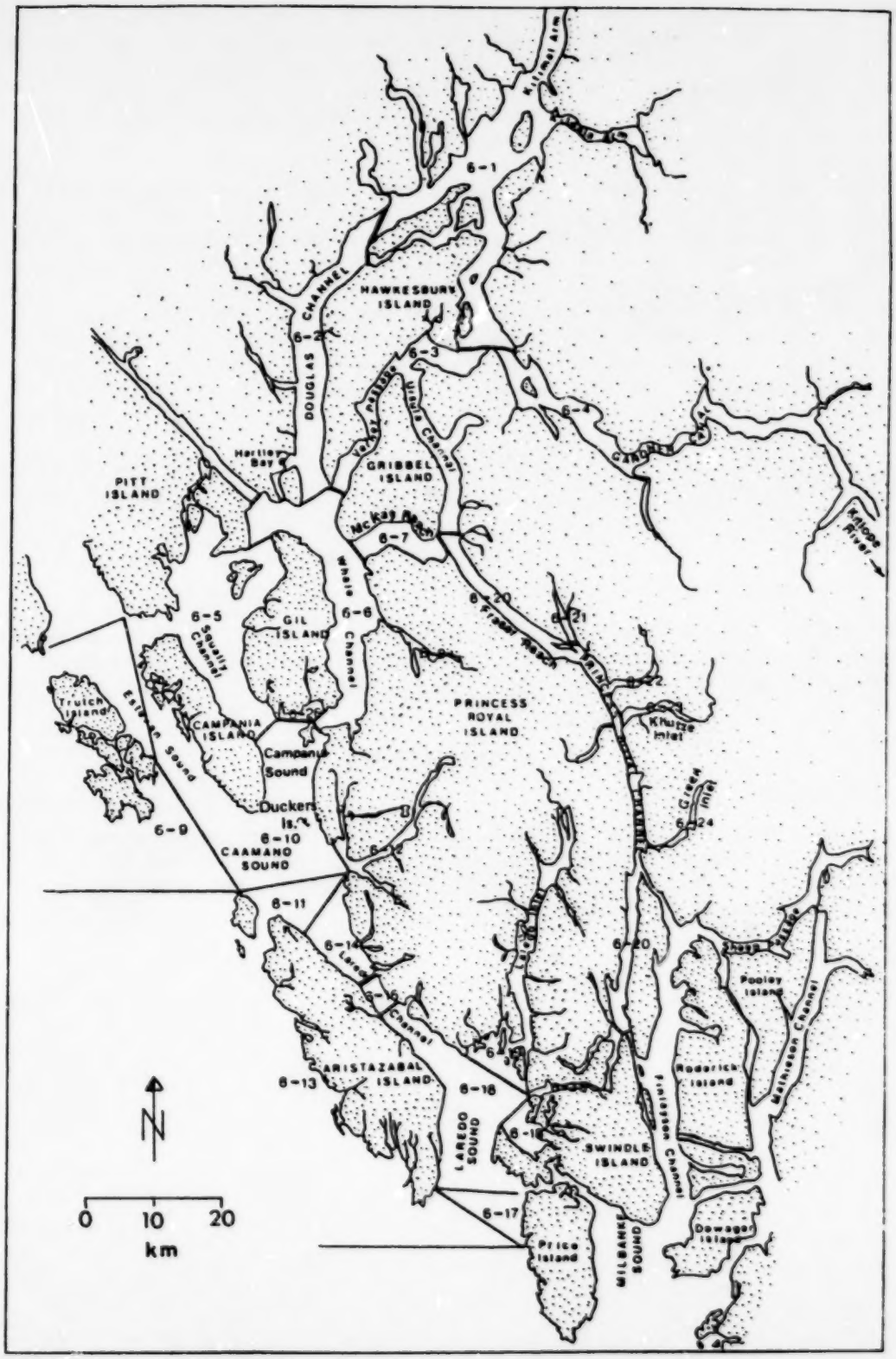

Fig. 2. Location of Area 6 management units, B.C.

commercial opening; fishing was not confined to a particular time or tide condition. The seine net was hauled from the drum and set for approximately 20-30 minutes. Normally the bunt end of the net was tied to the shore or beach and the vessel held offshore with the net fully off the drum. Occasionally, "open sets" were made in which the net was not tied to the shore but held in position by a sea anchor.

Two methods were used to estimate catch. For the majority of sets, the net was drummed on board until the fish were schooled in a small closure. At this point, straps were tied to the net and the net lifted from the water using an overhead boom until fish spilled over the corkline. As the fish were released, an observer estimated the species and number. At other times, fish were brought on board and counted individually; these fish were used as payment for the charter. Occasionally when the catches were large, the fish were brailed from the net into the hold; a few of the brailers were sampled for total fish count and this number expanded accordingly to arrive at an estimate of total catch.

Additional data recorded during each set were weather conditions, tide, set time and incidental catch.

RESULTS

Figures 3 and 4 show the location of each set made during the charter. Appendix 2 records the date, time, location and catch in pieces by major species for each set.

ACKNOWLEDGEMENTS

I wish to thank Fishery Officer J.A. MacDonald for carrying out the field program, the captain and crew of the Franciscan No. 1 for their able assistance, T. Bedard for preparing the figures and A. Fedorenko for preparing the report for publication.

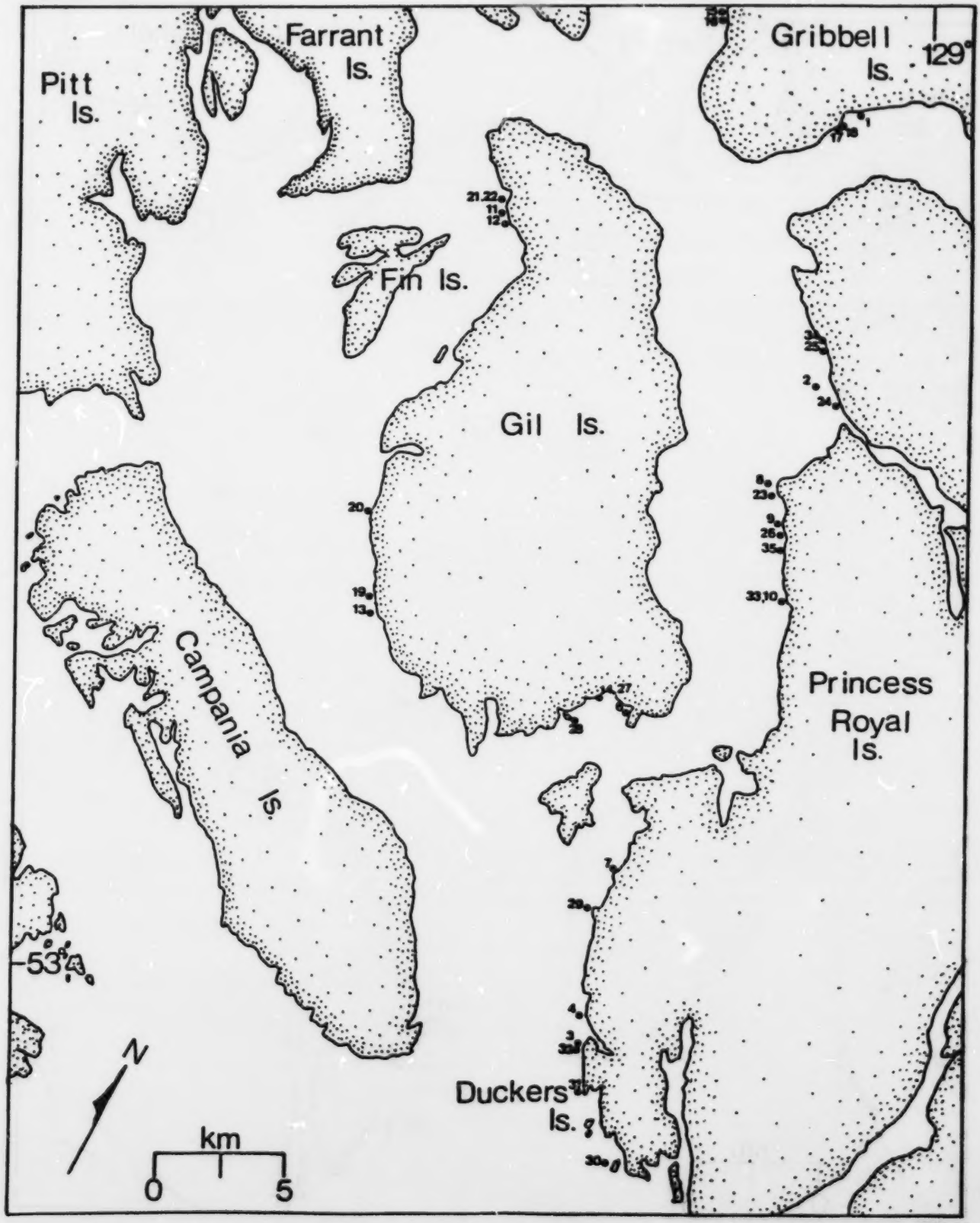

Fig. 3. Location of fishing sites in Area 6, sets 1-35.

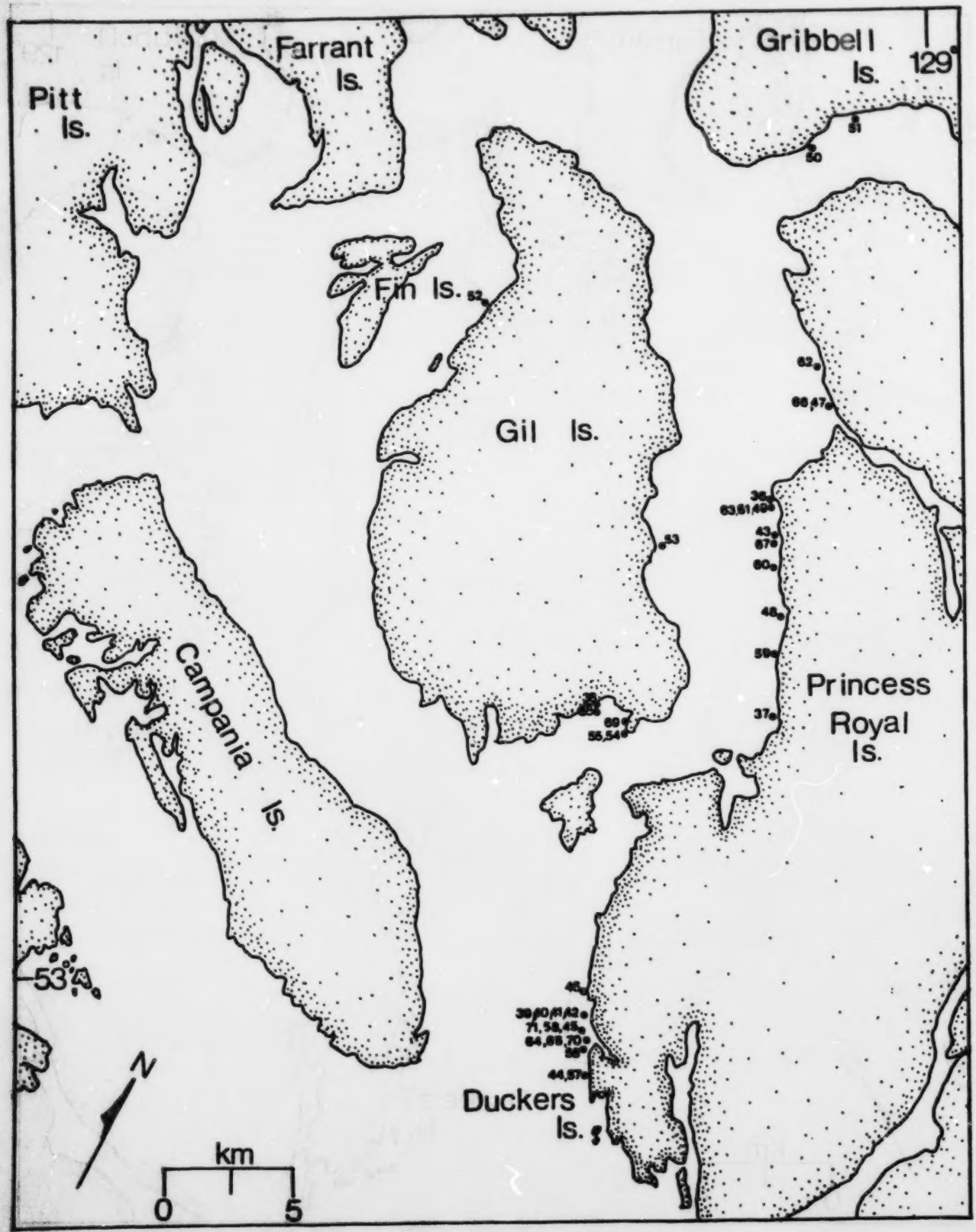

Fig. 4. Location of fishing sites in Area 6, sets 36-71.

Appendix 1. Invitation to tender for Central Coast (Area 6) test fishing

Sealed tenders, addressed to the Head of Purchasing, Administration Division, Fisheries Management, Pacific Region, Department of Fisheries & Oceans, 1090 West Pender, 8th Floor, Vancouver, B.C. V6E 2P1 and marked:

Tenders for: Central Coast (Area 6) Test Fishing will be received up to 2:00 p.m. Pacific Daylight savings time June 8, 1984.

Work on this contract includes the following:

One seine vessel from July 15, 1984 to July 29, 1984 to test fish in Area 6 a minimum of 2 test fish days per week.

Detailed charter requirements:

General:

1. Full crew complement.

2. The vessel crew must be willing to assist in the biologial sampling of fish.

3. The designated Fishing Skipper must be fully knowledgeable of geographic areas concerned and have considerable expertise fishing in those areas.

4. The Fishing Skipper must demonstrate an ability and willingness to communicate his interpretations of stock habits and abundance to Departmental representatives only.

5. The Fishing Skipper must be a well thought of and respected member of his peer group so that conclusions drawn from the charter program will be accepted by both Industry and the Department.

6. All tendered vessels must have a valid 1984 salmon fishing licence.

7. During the test fishing periods there will be one Departmental representative on board for which the charter boat will be required to supply food and lodging.

8. The bid should reflect a reasonable price for boat operation including fuel costs, food supplied for crew and one Departmental representative, and wages for the vessel's personnel. The bid should account for general wear and tear to be experienced, as all repairs and upkeep will remain the responsibility of the owners.

Vessel requirements:

1. Must conform fully with M.O.T. safety requirements and be in good overall condition.

2. Size must be adequate to make sets in the geographical area.

3. Complete wash house facilities (toilet, sink and shower) must be available.

Fishing gear requirement:

1. Vessels must be fully equipped for salmon seine fishing. All fishing gear to be supplied and maintained in good repair by vessel owners.

Payment:

1. Payment for the charter will be in pieces of pink salmon per test fishing day. Test fishing will be conducted during closed fishing periods if possible. However, in the event that this is impractical, test fishing may have to proceed during fishing openings. To accommodate this, fishermen will be asked to submit bids to cover test fishing during closed fishing and open fishing times.

2. In the event that other salmon species are caught in addition to pink salmon or where the amount of pink salmon caught is less than the tendered amount or both, other salmon species may be used as payment. These fish will be converted to pieces of pink salmon at a rate agreed upon by the Department and the vessel owner.

3. The vessel owner will be responsible for handling all fish caught and may deliver the fish to a processing firm he/she selects.

4. All fish caught in excess of the specified amount will be transferred to the Minister providing that any excess live catch is released.

DEPARTMENT OF FISHERIES AND OCEANS

OFFER TO CHARTER - TENDER FORM

The M.V._____C.F.V._____
is hereby offered for charter by the undersigned upon the terms and conditions listed below:

(1) NAME OF OWNER(S) ADDRESS PHONE

(a)_____ _____ _____

(b)_____ _____ _____

(2) NAME OF FISHING SKIPPER ADDRESS PHONE

_____ _____ _____

Seine Gillnet

Years of Skipper's experience:
as Master: _____
as Crew: _____

(3) Location of Vessel (where it may be inspected)_____
_____

(4) Description of Vessel:

(a) registered No._____ (b) length_____

(c) beam_____ (d) draft_____

(e) gross tonnage_____ (f) registered tonnage_____

(g) name & engine type_____ (h) engine h.p._____

(i) fuel capacity_____ (j) cruising speed_____

(k) fuel consumption @ (j)_____ (l) year constructed_____

(m) construction material_____ (n) no. crew (Cap't incl.)_____

(o) number of berths_____ (p) fish packing medium RSW, CSW, freezer_____

(q) electrical power (32 VDC, 110AC)_____

(r) No. of floodable fish holds_____

(s) No. of survival suits aboard_____

(t) tons carrying capacity_____

(u) freezing capacity for samples (cu. ft.)_____

(5) Description of Fishing gear:

(a) skiff (i) length_____ (ii) beam_____
(iii) H.P._____ (iv) sounder_____

(b) net (i) length_____ (ii) depth_____
(iii) mesh_____

(c) other_____

(6) Date of most recent Steamboat Inspection/MOT_____

(7) Descrption of Electronic Navigation/Fish detection equipment.
(make and model required)

(a) Echo Sounders (i) _____ (b) Radar (i) _____
(ii) _____ (ii) _____

(c) Radios (i) _____ (d) Sonar_____
(ii) _____ (e) Other_____
(iii) _____

(8) Previous Charter experience_____

_____

(9) Number of pinks per day for charter vessel, when test fishing during closed fishing periods, including food and wages for crew, food and lodging for fisheries personnel and including fuel oil, lube oil and stove fuel: _____ pinks per day.

(10) Number of pinks per day for charter vessel when test fishing during open fishing periods; items included in the daily rate are as in (9):
_____ pinks per day.

Signature of registered owner(s): _____

_____

Date: _____

Appendix 2 - Date, time, location and catch in pieces by major species for each set in Area 6, July 9 - August 2, 1984.[a]

Set No.	1	2	3	4	5	6	7
DATE	July 9	JULY 9	JULY 10	JULY 10	JULY 10	JULY 10	JULY 10
LOCATION	MCKAY REACH NORTH SHORE	WHALE CHANNEL 1.6 KM NORTH OF CORNWALL INLET	CAMPANIA SOUND CLARKE COVE	CAMPANIA SOUND CLARKE COVE	TAYLOR BIGHT	TAYLOR BIGHT	CAMPANIA SOUND S. OF ISLAND BELOW KI-EI
LAT.	53° 19.85'N	53° 13.52'N	52° 58.22'N	52° 58.78'N	53° 5.82'N	53° 5.82'N	53° 2.22'N
LONG.	129° 2.95'W	129° 4.29'W	129° 12.45'W	129° 12.66'W	128° 59.03'W	129° 10.84'W	129° 11.25'W
TYPE	BEACH	BEACH	BEACH	BEACH	BEACH	BEACH	BEACH
START (PDT)	1630	1833	0533	0633	0902	1013	1135
DURATION (MIN)	20	27	20	32	27	26	26
TIDE	SLACK:LH	FLOODING	SLACK:LL	FLOODING	FLOODING	FLOODING	SLACK:LH
SEA	RIPPLED	LIGHT CHOP	LIGHT CHOP	LIGHT CHOP	CALM	CALM	RIPPLED
WIND (KNOTS)	S.W.10	S.W.10	S.E.10	S.E.15	S.E.3	S.3	S.W.3
WEATHER	OVERCAST	OVERCAST RAIN	OVERCAST	OVERCAST, RAIN	OVERCAST	OVERCAST	OVERCAST
CATCH (PIECES)							
SOCKEYE	1	9	25	40	0	1	5
COHO	0	1	5	5	0	0	0
PINK	12	130	200	275	0	10	10
CHUM	4	9	65	90	1	4	8
CHINOOK	1	1	2	0	0	1	2
STEELHEAD	0	0	0	0	0	0	0
OTHER	BLACKCOD, WHITE JELLYFISH	POLLOCK	0	WHITE JELLYFISH	300-400 POLLOCK	APPROX. 1 TONNE POLLOCK	JELLYFISH POLLOCK
COMMENTS		CHINOOK TURNING DARK, APPROX. 50% CHUM SHOWING COLOR		VERY FEW JUMPERS	PROBLEM WITH PURSING DUE TO STRONG SURFACE CURRENT		

Appendix 2 (cont'd)

Set No.	8	9	10	11	12	13	14
DATE	JULY 10	JULY 10	JULY 10	JULY 11	JULY 11	JULY 11	JULY 11
LOCATION	LEADING POINT	WHALE CHANNEL 1.5 KM SOUTH OF LEADING PT.	WHALE CHANNEL	GIL ISLAND SHORE LEWIS PASS	GIL ISLAND SHORE LEWIS PASS	W.GIL ISLAND 6.5 KM SOUTH OF MACDONALD BAY	TAYLOR RIGHT
LAT.	53° 11.01'N	53° 10.30'N	53° 8.55'N	53° 17.32'N	53° 17.17'N	53° 8.50'N	53° 6.27'N
LONG.	129° 5.92'W	129° 5.70'W	129° 5.45'W	129° 16.40'W	129° 16.28'W	129° 21.40'W	129° 11.70'W
TYPE	NOT RECORDED	BEACH	BEACH	BEACH	BEACH	BEACH	BEACH
START (PDT)	1409	1512	1615	0530	0619	0922	1116
DURATION (MIN)	22	19	20	22	25	27	NOT RECORDED
TIDE	EBBING	EBBING	EBBING	EBBING	SLACK:LL	FLOODING	FLOODING
SEA	CALM	CALM	CALM	CALM	CALM	RIPPLED	LIGHT CHOP
WIND (KNOTS)	CALM	CALM	CALM	CALM	CALM	S.E.10	S.E.15
WEATHER	OVERCAST	OVERCAST	OVERCAST	OVERCAST	OVERCAST	OVERCAST	OVERCAST
CATCH (PIECES)							
SOCKEYE	5	10	10	5	3	10	10
COHO	0	0	0	0	3	0	1
PINK	70	20	15	4	15	10	25
CHUM	29	10	9	8	7	20	23
CHINOOK	1	4	0	0	1	0	2
STEELHEAD	0	0	0	0	0	0	0
OTHER	POLLOCK NUMEROUS, JELLYFISH, JUVENILE SALMON 10-12 CM LONG	POLLOCK, JELLYFISH		WHITE JELLYFISH	JELLYFISH	RED JELLYFISH, FEW WHITE JELLYFISH, FEW POLLOCK	
COMMENTS	BETTER SHOWING OF JUMPERS		CURRENT STRONG	BACK LASH WHEN SETTING, NO JUMPERS, STRONG CURRENT		CHUMS BRIGHT	

Appendix 2 (cont'd)

Set No.	15	16	17	18	19	20	21
DATE	JULY 16	JULY 16	JULY 16	JULY 16	JULY 17	JULY 17	JULY 17
LOCATION	W. HAWKESBURY IS. OFF MONEY POINT	W. HAWKESBURY IS. OFF MONEY POINT	MCKAY REACH GRIBBEL ISLAND SHORE	MCKAY REACH GRIBBEL ISLAND SHORE	W. GIL ISLAND 6.5 KM SOUTH OF MACDONALD BAY	0.8 KM SOUTH OF MACDONALD BAY	LEWIS PASS GIL ISLAND SHORE DUE EAST OF PLOVER PT.
LAT.	53° 22.18'N	53° 22.15'N	53° 19.63'N	53° 19.59'N	53° 8.60'N	53° 10.67'N	53° 17.49'N
LONG.	129° 8.72'W	129° 8.48'W	129° 3.66'W	129° 3.62'W	129° 21.34'W	129° 21.19'W	129° 16.43'W
TYPE	BEACH	BEACH	BEACH	BEACH	BEACH	BEACH	OPEN
START (PDT)	1317	1400	1604	1718	0650	0813	1027
DURATION (MIN)	17	27	23	24	40	24	23
TIDE	FLOODING	FLOODING	SLACK:L H	EBBING	EBBING	EBBING	SLACK:L L
SEA	RIPPLED	RIPPLED	RIPPLED	RIPPLED	CALM	CALM	CALM
WIND (KNOTS)	S. 5	S. 3	S. 5	W. 5	CALM	CALM	CALM
WEATHER	50% CLOUD	50% CLOUD	25% CLOUD	CLEAR	CLEAR	CLEAR	CLEAR
CATCH (PIECES)							
SOCKEYE	0	5	3	2	3	3	1
COHO	0	0	0	1	1	0	0
PINK	23	50	20	5	7	6	5
CHUM	3	28	15	13	1	8	4
CHINOOK	0	1	0	1	0	0	0
STEELHEAD	0	0	0	0	0	0	0
OTHER		JELLYFISH APPROX. 30 POLLOCK	FEW POLLOCK, JUVENILE SALMON (10-12 CM LONG)	MANY JUVENILE SALMON	RED AND WHITE JELLYFISH	JELLYFISH, JUVENILE SALMON	SHARK APPROX. 2 M IN LENGTH
COMMENTS	FOUL UP AND SET ABORTED PRIOR TO PURSING FISH TRAPPED IN RUNT	TIDE SLACK AT SURFACE		SET ON CHUM JUMPERS	40 JUMPERS OBSERVED	JUMPERS NEAR SHORE	

Appendix 2 (cont'd)

Set No.	22	23	24	25	26	27	28
DATE	JULY 17	JULY 17	JULY 17	JULY 17	JULY 17	JULY 18	JULY 18
LOCATION	LEWIS PASS GIL IS. SHORE DUE EAST OF PLOVER PT.	WHALE CHANNEL S. LEADING POINT	WHALE CHANNEL OFF RIVER RIGHT	WHALE CHANNEL 0.8 KM SOUTH WHALEN CREEK	WHALE CHANNEL 1.5 KM SOUTH OF LEADING POINT	TAYLOR RIGHT	WHALE CHANNEL TAYLOR RIGHT OFF SMALL ISLET
LAT.	53° 17.48'N	53° 10.99'N	53° 13.22'N	53° 14.12'N	53° 10.17'N	53° 6.25'N	53° 5.64'N
LONG.	129° 16.42'W	129° 5.70'W	129° 3.61'W	129° 4.28'W	129° 5.55'W	129° 11.76'W	129° 12.79'W
TYPE	BEACH	BEACH	BEACH	BEACH	BEACH	BEACH	BEACH
START (PDT)	1125	1406	1517	1609	1755	0541	0656
DURATION (MIN)	25	12	22	20	26	22	21
TIDE	FLOODING	FLOODING	FLOODING	FLOODING	SLACK:LH	EBBING	EBBING
SEA	RIPPLED	RIPPLE	RIPPLED	RIPPLED	RIPPLED	RIPPLED	RIPPLED
WIND (KNOTS)	S. 5	S. 15	S. 5	S. 5	S. 5	S. 3	S. 5
WEATHER	25% CLOUD	25% CLOUD	25% CLOUD	25% CLOUD	CLEAR	OVERCAST	OVERCAST RAIN
CATCH (PIECES)							
SOCKEYE	5	0	1	45	15	3	0
COHO	0	0	0	3	0	0	0
PINK	35	40	5	200	125	25	22
CHUM	40	0	4	100	23	12	4
CHINOOK	0	0	1	0	0	0	0
STEELHEAD	0	0	0	0	0	0	0
OTHER			APPROX. 150 POLLOCK	FEW POLLOCK	200-300 POLLOCK	300-400 POLLOCK	200-300 POLLOCK, 20-30 ROCKFISH
COMMENTS	CURRENT NEAR SLACK	A FEW PINK & CHUM JUMPERS, STRONG TIDE, CLOSED EARLY	PROBLEM WITH NET, SOME FISH MAY HAVE ESCAPED	MODERATE CURRENT	DIFFICULTIES ESTIMATING SALMON MIXED WITH POLLOCK	MODERATE CURRENT, FEW JUMPERS OBSERVED	CURRENT MODERATELY STRONG, NO JUMPERS

Appendix 2 (cont'd)

Set No.	29	30	31	32	33	34	35
DATE	July 18	JULY 18	JULY 18	JULY 18	JULY 18	JULY 23	JULY 23
LOCATION	CAMPANIA SOUND SEABROOKE POINT	CAMPANIA SOUND DUCKERS ISLAND 0.5 KM N.W. OF LIGHT	CAMPANIA SOUND 1.6 KM N. OFF DUCKERS ISLAND	CAMPANIA SOUND 0.9 KM N. OF CLARK COVE	WHALE CHANNEL (SAND BEACH)	WHALE CHANNEL 1.6 KM S. WHALEN CREEK	WHALE CHANNEL 2.4 KM SOUTH LEADING POINT
LAT.	53° 1.36'N	52° 55.62'N	52° 57.00'N	52° 58.00'N	53° 8.55'N	53° 14.23'N	53° 10.16'N
LONG.	129° 12.02'W	129° 12.26'W	129° 12.34'W	129° 12.46'W	129° 5.45'W	129° 4.24'W	129° 5.54'W
TYPE	OPEN	OPEN	BEACH	BEACH	BEACH	BEACH	BEACH
START (PDT)	0850	1013	1113	1210	1640	0924	1101
DURATION (MIN)	16	18	21	27	28	26	27
TIDE	EBBING	EBBING	SLACK:LL	FLOODING	FLOODING	SLACK:LH	EBBING
SEA	LIGHT CHOP	SWELLS	SWELLS	SWELLS	LIGHT CHOP	RIPPLED	CALM
WIND (KNOTS)	S. 5	S. 5	S. 5	S. 5	S.W. 10	W. 3	CALM
WEATHER	75% CLOUD	50% CLOUD	50% CLOUD	25% CLOUD	75% CLOUD	CLEAR	CLEAR
CATCH (PIECES)							
SOCKEYE	2	4	7	16	10	17	30
COHO	4	3	2	0	0	10	12
PINK	40	30	120	150	40	793	1500
CHUM	18	15	30	27	10	212	200
CHINOOK	0	0	0	0	1	1	0
STEELHEAD	0	0	0	0	0	0	0
OTHER	FEW POLLOCK	WHITE JELLYFISH	FEW JELLYFISH, FEW POLLOCK	JUVENILE SALMON	APPROX. 300 POLLOCK	JELLYFISH 300-400 POLLOCK	
COMMENTS	MODERATE CURRENT	VERY LITTLE CURRENT AT SHORE, STRONG EBB AT OUTSIDE END OF NET			NEAR HIGH SLACK	FEW PINK JUMPERS, TIDE JUST CHANGING	FEW PINK JUMPERS, TIDE JUST CHANGING

Appendix 2 (cont'd)

Set No.	36	37	38	39	40	41	42
DATE	July 23	JULY 23	JULY 23	JULY 24	JULY 24	JULY 24	JULY 24
LOCATION	WHALE CHANNEL OFF LEADING POINT	WHALE CHANNEL (1.5 KM OFF WATERFALL)	WHALE CHANNEL TAYLOR RIGHT	CAMPANIA SOUND CLARKE COVE	CAMPANIA SOUND CLARKE COVE	CAMPANIA SOUND CLARKE COVE	CAMPANIA SOUND 1.6 KM NORTH OF CLARKE COVE
LAT.	53° 11.00'N	53° 6.00'N	53° 6.25'N	52° 55.56'N	52° 55.56'N	52° 55.56'N	52° 55.56'N
LONG.	129° 5.70'W	129° 5.39'W	129° 11.74'W	129° 12.47'W	129° 12.47'W	129° 12.47'W	129° 12.47'W
TYPE	BEACH	BEACH	BEACH	BEACH	BEACH	BEACH	BEACH
START (PDT)	1258	1509	1623	0521	0633	0838	0918
DURATION (MIN)	32	23	22	28	34	NOT REPORTED	29
TIDE	EBBING	FLOODING	FLOODING	FLOODING	FLOODING	FLOODING	FLOODING
SEA	CALM	RIPPLED	CALM	CALM	CALM	CALM	CALM
WIND (KNOTS)	CALM	S.W. 3	W. 3	CALM	CALM	CALM	CALM
WEATHER	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR
CATCH (PIECES)							
SOCKEYE	24	7	6	19	40	0	20
COHO	12	6	9	7	20	0	10
PINK	940	285	210	739	1700	0	750
CHUM	230	15	41	104	240	0	100
CHINOOK	0	3	0	0	0	0	0
STEELHEAD	0	0	0	3	0	0	0
OTHER	400-600 POLLOCK	3 CHINOOK JUV., 200-300 POLLOCK, FEW WHITE JELLYFISH	POLLOCK	FEW POLLOCK, WHITE & PURPLE JELLYFISH			NUMEROUS JELLYFISH
COMMENTS	SCATTERED PINK JUMPERS		TIDES JUST FLOODING, NOT GOOD TIME FOR THIS LOCATION		NEAR SLACK TIDE, FEW JUMPERS	TIDE STRONG, BEACH LINE BROKE, SET ABORTED, FEWER JUMPERS THAN LAST SET	FISH BRAILED

Appendix 2 (cont'd)

Set No.	43	44	45	46	47	48	49
DATE	July 24	JULY 25	JULY 25	JULY 25	JULY 25	JULY 25	JULY 25
LOCATION	WHALE CHANNEL 2.4 KM SOUTH LEADING POINT	CAMPANIA SOUND 3.2 KM NORTH OF DUCKERS ISLAND	CAMPANIA SOUND CLARKE COVE	CAMPANIA SOUND 3.2 KM NORTH OF CLARKE COVE	WHALE CHANNEL RIVER BIGHT	WHALE CHANNEL 5 KM SOUTH OF LEADING POINT	WHALE CHANNEL LEADING POINT
LAT.	53° 10.16'N	52° 57.58'N	52° 58.62'N	52° 59.54'N	53° 13.19'N	53° 8.26'N	53° 10.70'N
LONG.	129° 5.54'W	129° 12.43'W	129° 12.48'W	129° 12.45'W	129° 3.81'W	129° 5.33'W	129° 5.89'W
TYPE	BEACH	BEACH	BEACH	BEACH	NOT RECORDED	NOT RECORDED	NOT RECORDED
START (PDT)	1220	0542	0640	0742	1039	1238	1443
DURATION (MIN)	28	25	26	31	31	25	28
TIDE	EBBING	SLACK:LL	FLOODING	FLOODING	FLOODING	EBBING	EBBING
SEA	CALM	LIGHT CHOP	LIGHT CHOP	LIGHT CHOP	LIGHT CHOP	NOT REPORTED	NOT REPORTED
WIND (KNOTS)	CALM	N.E. 15	N.E. 15	N.E. 25	N.W. 15	NOT REPORTED	NOT REPORTED
WEATHER	CLEAR	CLEAR	CLEAR	CLEAR	CLEAR	NOT REPORTED	NOT REPORTED
CATCH (PIECES)							
SOCKEYE	18	10	13	9	27	11	0
COHO	1	4	6	3	10	9	0
PINK	528	400	429	474	322	273	1100
CHUM	42	32	59	52	96	85	100
CHINOOK	1	3	1	3	0	1	0
STEELHEAD	0	0	1	0	0	2	0
OTHER				RED & WHITE JELLYFISH, FEW POLLOCK		NUMEROUS POLLOCK	
COMMENTS	SAME POSITION AS SET 35		FEWER JUMPERS SHOWING	FEW JUMPERS	FEW JUMPERS		FEW JUMPERS

Appendix 2 (cont'd)

Set No.	50	51	52	53	54	55	56
DATE	July 30	JULY 30	JULY 30	JULY 30	JULY 31	JULY 31	JULY 31
LOCATION	MCKAY REACH	MCKAY REACH	LEWIS PASS 2.4 KM N.E. OF WILLIAMS ISLAND	WHALE CHANNEL 2.4 KM SOUTH LEADING POINT	CAMPANIA SOUND TAYLOR BIGHT	CAMPANIA SOUND TAYLOR BIGHT	CAMPANIA SOUND CLARKE COVE
LAT.	53° 19.40'N	53° 19.78'N	53° 15.44'N	53° 9.96'N	53° 5.62'N	53° 5.65'N	52° 58.41'N
LONG.	129° 3.64'W	129° 2.80'W	129° 16.47'W	129° 9.53'W	129° 10.74'W	129° 10.77'W	129° 12.24'W
TYPE	BEACH	BEACH	BEACH	BEACH	BEACH	BEACH	BEACH
START (PDT)	1016	1112	1406	1658	0610	0725	0934
DURATION (MIN)	20	16	19	20	31	20	28
TIDE	FLOODING	FLOODING	FLOODING	EBBING	EBBING	EBBING	SLACK:LL
SEA	RIPPLED	RIPPLED	RIPPLED	RIPPLED	CALM	CLAM	RIPPLED
WIND (KNOTS)	W. 3	S.W. 5	S.W. 10	S.W. 5	LIGHT/VARIABLE	CALM	S.E. 5
WEATHER	50% CLOUD	75% CLOUD	OVERCAST, RAIN	OVERCAST, RAIN	75% CLOUD	75% CLOUD	OVERCAST
CATCH (PIECES)							
SOCKEYE	5	10	5	4	3	8	14
COHO	21	21	2	8	6	16	32
PINK	243	245	170	662	311	661	447
CHUM	81	282	6	11	27	64	21
CHINOOK	0	0	0	0	0	0	1
STEELHEAD	0	0	0	0	0	0	0
OTHER		POLLOCK, JELLYFISH		FEW POLLOCK	APPROX. 1 TONNE POLLOCK	APPROX. .05 TONNE POLLOCK	
COMMENTS	GOOD SHOWING PINK JUMPERS	PINK & CHUM TURNING DARK	SOME CHUM & PINK TURNING DARK, CHUM VERY DARK	CURRENT CHANGING TO EBB, PINK & CHUM JUMPERS, MANY PINK TURNING DARK	TIDE JUST TURNING, DEBRIS IN WATER, FEW JUMPERS	1 TAGGED PINK (CAN-US TAGGING PROGRAM)	FEW JUMPERS, MAJORITY PINK & CHUM BRIGHT

Appendix 2 (cont'd)

Set No.	57	58	59	60	61	62	63
DATE	July 31	JULY 31	JULY 31	JULY 31	JULY 31	AUGUST 1	AUGUST 1
LOCATION	CAMPANIA SOUND 3.2 KM NORTH OF DUCKERS ISLAND	CAMPANIA SOUND CLARKE COVE	WHALE CHANNEL (1.6 KM NORTH OF WATERFALL)	WHALE CHANNEL 3.2 KM SOUTH OF LEADING POINT	WHALE CHANNEL SOUTH LEADING POINT	WHALE CAHNNEL 1.6 KM SOUTH OF WHALEN CREEK	WHALE CHANNEL SOUTH LEADING POINT
LAT.	52° 57.58'N	52° 58.57'N	53° 5.83'N	53° 9.30'N	53° 10.79'N	53° 14.01'N	53° 10.78'N
LONG.	129° 12.43'W	129° 12.48'W	129° 5.38'W	129° 5.42'W	129° 5.68'W	129° 4.29'W	129° 5.66'W
TYPE	BEACH	BEACH	BEACH	BEACH	BEACH	BEACH	BEACH
START (PDT)	1034	1126	1335	1518	1643	0637	0813
DURATION (MIN)	24	31	29	29	24	19	37
TIDE	FLOODING	FLOODING	FLOODING	FLOODING	SLACK:HH	EBBING	EBBING
SEA	CALM	CALM	CALM	CALM	RIPPLED	CALM	CALM
WIND (KNOTS)	CALM	CALM	CALM	LIGHT/VARIABLE	S.E. 5	CALM	CALM
WEATHER	OVERCAST	75% CLOUD	OVERCAST	OVERCAST	75% CLOUD	25% CLOUD	CLEAR
CATCH (PIECES)							
SOCKEYE	6	6	0	3	12	5	2
COHO	11	17	2	22	38	3	12
PINK	140	161	21	315	600	228	27
CHUM	38	114	11	54	61	18	82
CHINOOK	0	1	0	0	0	0	0
STEELHEAD	0	1	1	0	0	1	1
OTHER			FEW POLLOCK	300-400 POLLOCK			200-300 POLLOCK
COMMENTS	CURRENT OUTFLOW AT SURFACE, FLOODING BELOW SURFACE, TIDE JUST TURNING	MAJORITY PINK & CHUM BRIGHT	FEW JUMPERS	FEW FISH OBSERVED, SEEM TO BE MILLING	FEW JUMPERS	SOME PINK JUMPERS, FEW CHUMS, TIDE JUST TURNING	FOUL UP WHEN NET 1/2 SET, 10 MIN DELAY, CHUMS BRIGHT

Appendix 2 (cont'd)

Set No.	64	65	66	67	68	69	70	71
DATE	AUGUST 1	AUGUST 1	AUGUST 1	AUGUST 1	AUGUST 2	AUGUST 2	AUGUST 2	AUGUST 2
LOCATION	CAMPANIA SOUND CLARKE COVE	CAMPANIA SOUND CLARKE COVE	WHALE CHANNEL RIVER RIGHT	WHALE CHANNEL SOUTH LEADING POINT	CAMPANIA SOUND TAYLOR RIGHT	CAMPANIA SOUND TAYLOR RIGHT	CAMPANIA SOUND CLARKE COVE	CAMPANIA SOUND CLARKE COVE
LAT.	52° 58.40'N	52° 58.42'N	53° 13.19'N	53° 9.98'N	53° 6.09'N	53° 5.71'N	52° 58.42'N	52° 58.62'N
LONG.	129° 12.24'W	129° 12.46'W	129° 3.81'W	129° 5.56'W	129° 11.70'W	129° 11.04'W	129° 12.46'W	129° 12.50'W
TYPE	BEACH	BEACH	BEACH	BEACH	BEACH	OPEN	BEACH	BEACH
START (POT)	1047	1154	1515	1725	0626	0728	1056	1209
DURATION (MIN)	23	23	24	29	29	20	19	22
TIDE	SLACK:LL	FLOODING	FLOODING	EBBING	EBBING	EBBING	SLACK:LL	FLOODING
SEA	CALM	CALM	CALM	RIPPLED	CALM	CALM	CALM	CALM
WIND (KNOTS)	CALM	CALM	CALM	S. 10	CALM	CALM	CALM	CALM
WEATHER	25% CLOUD	25% CLOUD	25% CLOUD	25% CLOUD	CLEAR	CLEAR	CLEAR	CLEAR
CATCH (PIECES)								
SOCKEYE	13	18	5	7	2	2	6	3
COHO	38	37	7	29	14	10	33	24
PINK	265	389	141	680	191	302	337	504
CHUM	41	88	9	65	28	43	44	88
CHINOOK	1	0	0	1	1	0	0	0
STEELHEAD	3	0	0	0	0	0	0	0
OTHER				CHUM JUVENILES, 300 POLLOCK	CHUM JUVENILES, FEW POLLOCK			
COMMENTS			THIS SET MADE FOLLOWING REPORT OF JUMPERS IN AREA		MORE JUMPERS OBSERVED			

a'Type' indicates if set is tied to the shore (beach) or not tied (open); slack tide - LL (low low), HH (high high), LH (low high), HL (high low).